

NIKITINA, N.G.; RODIN, S.S.

Moscow seminar on analytical chemistry. Zhur. anal. khim.
18 no.9:1141 S '63. (MIRA 16:11)

NIKITINA, N.G.

Moscow Seminar on Analytical Chemistry. Zhur. anal. khim. 20
no.8:885 '65. (MIRA 18:10)

ACC NR: AP7011841

SOURCE CODE: UR/0075/66/021/010/1165/1171

AUTHOR: Nikitina, N. G.; Galkina, N. K. Senyavin, M. M.

ORG: Institute of Geochemistry and Analytical Chemistry im. V. I. Vernadskiy AN SSSR, Moscow (Institut geokhimii i analiticheskoy khimii AN SSSR)

TITLE: Selection of conditions for ion exchange concentration and determination of trace impurities in analysis of high-purity materials

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 10, 1966, 1165-1171

TOPIC TAGS: ion exchange resin, ion concentration, chemical composition, water

SUB CODE: 07

ABSTRACT: The authors examined some of the characteristics of concentration used for analysis of high-purity chemicals. Consideration is given to the factors which affect the degree of absolute concentration, i.e. the volumetric ratio of the initial and final solutions. The volume of the solution to be analyzed (initial) depends on the quantity (weight) of impurity which must be present for subsequent determination. The volume should be a minimum to reduce the duration of the concentration stage. The volume of regenerating solution at 100% regeneration (final)

Card 1/2

0932

0442

1165-1171

ACC NR: AP7011841

is independent of the degree of treatment of the ion exchanger layer and depends only on its quantity. These principles are illustrated by determining traces of chlorine in highly pure water. A method is developed on the basis of this example for determining micro quantities of chlorine and sodium ions in water and for selecting optimum conditions of ion exchange concentration of impurities from pure solutions. Conditions are studied for composite ion exchange concentration of

impurities using KU-2 and KB-4 ion-exchange resins with subsequent spectral determination of the impurities. Optimum conditions are found for ion exchange concentration of impurities from saline solutions with separate precipitation of the components, and a method is developed for determining traces of radioactive substances in river and tap water. Orig. art. has: 1 figure, 3 formulas and 9 tables.

[JPRS: 40,351]

Card 2/2

AEROV, M.E.; NIKITINA, N.I.; RAZUMOV, I.M.

Determination of the heat fields in reactors by the method of
electrothermal analogy. Khim.prom. no.7:531-534 J1 '63.
(MIRA 16:11)

NIKITINA, N.I. (Moskva, A-47, 3-ya Moschanskaya, 14/8, kv.13).

Cytologic diagnosis of cancer of the thyroid gland. Vop
onk. 8 no. 10:23-28 '62. (MIRA 17:7)

1. Iz kliniko-diagnosticskoy laboratorii (zav. - kand.med.
nauk N.N.Shiller-Volkova) Gosudarstvennogo onkologicheskogo
instituta imeni P.A.Gertsena (direktor - prof. A.N.Novikov).

Heat and mass transfer in a granular bed. III. Determination of mass-transfer coefficients in a moving granular bed. I. V. Gusev, V. I. Kozlov, and M. A. Zhelezovskiy. *Zh. tekhn. fiz.* 1978, 48, No. 1, p. 100-105. 10 refs.

The method of separating naphthalene granules into a stream of moving gas at 150 °C was utilized. The particles were of two sizes, 1.5 and 3 mm in diam. Layers of 4-8 mm of granules and naphthalene cylinders of the same size comprised the moving granular bed. It was found that the mass- and heat-transfer coeffs. in the range of Re from 8 to 150 were the same for both the moving and stationary beds. The results indicated that at $Re \approx 142$ and for velocities of the granular bed ranging from 6 to 60 cm./min., the mass-transfer coeffs. were $d \text{ const.}, Nu/Sc^{1/4} \approx 7.7$.

Paul Palivukko

65-12-5/9

AUTHORS: Luk'yanov, P.I., Gusev, I.V. and Nikitina, N.I.

TITLE: On the Movement of a Compact Layer of a Granular Material
in an Apparatus (O dvizhenii kompaktnogo sloya zernistogo
materiala v apparate)

PERIODICAL: Khimiya i Tekhnologiya Topliva i Masel 1957, No.12,
pp. 38-44 (USSR).

ABSTRACT: An experimental investigation of some special features
of the movement of layers of granular materials in cylindrical
and rectangular vessels was carried out. A dividing metallic
tube, 230 mm in dia., 2 500 mm long, and a rectangular vessel,
232 mm wide, 1 500 mm long, a spherical and pelletised aluminosilicate catalyst, refractory heat transfer medium and activated carbon were used for the experiments.

Experimental results are given in the form of velocity distribution curves. On the basis of the data obtained on the distribution of velocities in a cross-section of a moving column and the dependence of this distribution on mean particle size the problem of changes in the mean density of a compact layer of granular material is discussed.

There are 3 tables, 4 figures and 7 references, 4 of which

Card1/1 are Slavic.

AVAILABLE: Library of Congress

LUK'YANOV, P.I.; GUSEV, I.V.; NIKITINA, N.I.

Pressure of compact moving beds of granular material on the
walls of shaft-type apparatus. Khim. i tekhn. topl. i masel 4
no.1:63-68 Ja '59. (MIRA 12:1)
(Pressure)

BRISKMAN, A.A.; LYKOV, N.A.; MISHIN, A.S.; NIKITINA, N.I.

Determining bottom pressure from well head pressure for wells
of Tatar oil fields. Trudy VNII no.22:90-109 '59. (MIRA 15:4)
(Tatar A.S.S.R.--Oil reservoir engineering)

AEROV, M.E.; NIKITINA, H.I.; TRAYNINA, S.S.

Study of velocity fields in chemical technology by
means of the electrohydrodynamic analogy method. Khim.
prom. no.3:242-246 Ap-My '60. (MIRA 13:8)

1. Nauchno-issledovatel'skiy institut soovuzheniy.
(Chemical apparatus--Fluid dynamics)

LUK'YANOV, P.I.; GUSEV, I.V.; ~~NIKITINA, N.I.~~

Limit rate of flow of granular materials. Khim.i tekhn.topl.i masel
5 no.10:45-49 O '60. (MIRA 13:10)

(Granular materials)

RAZUMOV, I.M.; NIKITINA, N.I.; AEROV, M.E.

Simulation of the temperature fields of apparatus having
uniformly distributed internal heat sources under prescribed
boundary conditions of the third kind. Inzh.-fiz. zhur. 7 no.6:
89-92 Ag '64. (MIRA 17:10)

1. Institut sinteticheskikh spirtov i organicheskikh produktov,
Moskva.

LUK'YANOV, P.I.; GUSEV, I.V.; NIKITINA, N.I.

Effective utilization of the operating volume of apparatus with the
compact moving bed of granular material. Khim. i tekhn. topl. i masel
6 no.11:51-55 N '61. (MIRA 14:12)

(Catalysts)

KRASIL'NIKOV, N.A.; KORENYAKO, A.I.; SOKOLOVA, A.I.; NIKITINA, N.I.;
KIRILLOVA, N.F.

Interspecific antagonism as a species characteristic. Mikro-
biologiya 32 no.12-12 '63 (M.L.A 17:3)

1. Institut mikrobiologii AN SSSR.

NIKITINA, N.I., TRAYNINA, S.I., APROV, M.A.

Fluid velocity field in the intertube space of a bundle of tubes and
tube heat exchanger. Kholm. prikl. tekhn. fiz. 1974, No. 1, p. 111.
1974, No. 1, p. 111.

VYTRISHCHAK, V.Ya.; NIKITINA, N.I.

Effect of phytoncides on phagocytosis. Biol. eksp. biol. i
med. 54 no.9:85-86 S '62. (MIRA 17:9,

1. Iz Okruzhnogo voyennogo gospihalya (nachal'nik - polkovnik
meditsinskoy sluzhby A.K. Khaldin), Riga. Predstavleno
deystvitel'nyy chlenom AMN SSSR A.V. Lebedinskiy.

NIKITINA, N.I.

Venous pressure in surgery under hypothermia [with summary in English]
Eksper.khir. 1 no.4:19-27 J1-Ag '56 (MIRA 11:10)

1. Iz kafedry gosspital'noy khirurgii I Leningradskogo meditsinskogo
instituta (dir. - prof. F.G. Uglov).

(SURGERY, OPERATIVE

hypothermia, eff. on venous pressure (Rus))

(HYPOTHERMIA, eff.

on venous pressure in surg. (Rus))

(BLOOD PRESSURE, physiol.

eff. on hypothermia on venous pressure (Rus))

NIKITINA, N.I.

Hundredth anniversary of the birth of N.A.Vel'iaminov. Khirurgiia
32 no.6:87-89 Je '56. (MIRA 9:10)

1. Iz kafedry gospiatal'noy khirurgii I Leningradskogo meditsinskogo
instituta imeni akademika I.P.Pavlova (dir. - professor F.G.Uglov)
(VEL'IAMINOV, NIKOLAI ALEKSANDROVICH, 1855-1920)

NIKITINA, N.I.

AMELIN, A.Z., polkovnik med. sluzhby, kand.med.nauk; POLYAKOV, Ya.F., podpolkovnik
med.sluzhby; NIKITINA, N.I., mayor med.sluzhby.

Analysis of material on fatal outcomes in acute appendicitis. Voen.-
med.zhur. no.11:37-40 N '57. (MIRA 11:4)
(APPENDICITIS, statistics,
acute, fatality (Rus))

NIKITINA, N. I.: Master Med Sci (diss) -- "Venous pressure in operations on the heart, pericardium, and large vessels". Leningrad, 1959. 15 pp (Leningrad Med Inst Im Acad I. P. Pavlov, Chair of Hospital Surgery), 200 copies (XL, No 16, 1959, 120)

LIKHTENSHTEYN, Ye.A. (Moskva, V-261, Borovskoye shosse, korp.13, kv.18);
NIKITINA, M.I. (Moskva, D-47, Miusskaya pl., d.14/8, kv.18)

Significance of diagnostic puncture in bone tumors with
atypical clinical and roentgenological symptoms. Vop.onk.
5 no.2:172-178 '59. (MIRA 12:6)

1. Iz rentgenologicheskogo otdeleniya (zav. - prof. Ye.E.Aharbanel')
i klinicheskoy laboratorii (zav. - starshiy nauchnyy sotrudnik N.N.
Shiller-Volkova) Gosudarstvennogo onkologicheskogo instituta im.
P.A.Gertsena (dir. - prof.A.I.Novikov, nauchnyy rukovod. - chlen-
korrespondent AMN SSSR prof. A.I.Savitskiy).

(BONE AND BONES, neoplasms

punch biopsy, diag. value in atypical cases
(Rus))

(BIOPSY

bones, punch technic, in atypical bone neoplasms
(Rus))

NIKITINA, N.I. (Moskva, 47, 3-ya Miusknya, 14/8, kv.18)

Significance of a cytological examination of punctates of enlarged lymph nodes. Vop.onk. 5 no.7:55-60 '59. (MIRA 12:12)

1. Iz kliniko-diagnosticheskoy laboratorii (zav. - starshiy nauchnyy sotrudnik N.I. Shiller-Volkova) Gosudarstvennogo onkologicheskogo instituta im. P.A. Gertsena (dir. - prof. A.N. Novikov, nauchn.ruko-voditel' - chlen-korrespondent AMN SSSR prof. A.I. Savitskiy).
(LYMPH NODES - neoplasms)

UGLOV, F.G., prof. (Leningrad, Kirovskiy pr., d.2, kv. 26); MARTYNCHEV, A.N.,
kand. med. nauk; NIKITINA, N.I.; STRASHNOV, V.I.

Changes in the venous pressure of patients with adhesive pericarditis
in connection with surgery. Vest. khir. 82 no.5:18-29 My '59.

(MIRA 12:7)

1. Iz gosspital'noy khirurgicheskoy kliniki (zav. - prof. F. G. Uglov)
1-go Leningradskogo meditsinskogo instituta im. I.P. Pavlova.
(BLOOD-PRESSURE) (PERICARDIUM--SURGERY)

NIKITINA, N. I., Cand Med Sci -- (diss) "Test of research into cellular composition of puncture material from the lymph nodes with the purpose of diagnostics of their disorders." Moscow, 1960. 12 pp; (Ryazan Medical Inst im Academician I. P. Pavlov); number of copies not given; price not given; (KL, 26-60, 143)

NIKITINA, N.I. (Leningrad, Liteyny prospekt d.26,kv.122)

Changes in venous pressure during mitral commissurotomy. Grud.
khir. 2 no.5:42-45 S-O '60. (MIRA 16:5)

1. Iz kafedra gosital'noy khirurgii (zav. - prof. F.G.Uglov) I
Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova.
(BLOOD PRESSURE) (MITRAL VALVE--SURGERY)

NIKITINA, N.I.

Stological diagnosis of the so-called mixed salivary gland
tumors. Vop.onk. 7 no.2:43-48 '61. (MIRA 14:5)
(SALIVARY GLANDS—TUMORS)

KANEVSKAYA, A.I.; NIKITINA, N.I.

Case of reticulosarcoma of the thyroid gland developing from Hashimoto's struma. Vop.onk. 8 no.8:80-84 '62. (MIRA 15:9)

1. Iz Gosudarstvennogo onkologicheskogo instituta im. P.A. Gertsena (dir. - prof. A.N. Novikov), iz patologoanatomicheskogo otdeleniya (zav. - kand.med.nauk Z.V. Gol'bert) i iz kliniko-diagnosticheskoy laboratorii (zav. - kand.med.nauk N.N. Shiller-Volkova). Adres avtora: Moskva, D-19, ul. Engel'sa d.14/8, kv.18.
(THYROID GLAND—CANCER)

MARTYNCHIEV, Anatoliy Nikolayevich; NIKITINA, Nadezhda Ivanovna;
TRUNIN, Mikhail Aleksandrovich; TAL'MAN, I.M., red.;
SAFRONOVA, I.M., tekhn. red.

[Venous pressure in a surgical clinic] Venoznoe davlenie v
khirurgicheskoi klinike. Pod red. A.N.Martyncheva. Leningrad,
Medgiz, 1963. 123 p. (MIRA 16:5)
(BLOOD PRESSURE) (OPERATIONS, SURGICAL)

Journal of Interpersonal Violence, Vol. 20 No. 6, June 2005
DOI: 10.1177/0886260505279000
© 2005 Sage Publications

Place of a fanatical devotion to the cause of the oppressed. Knit. with gold thread. 1890.

Proc. R. Soc. Lond. Ser. A 200 (1950) 257-267

1. Aires alteradas: 1980-1981, 1981-1982, 1982-1983, 1983-1984, 1984-1985, 1985-1986, 1986-1987, 1987-1988, 1988-1989, 1989-1990, 1990-1991, 1991-1992, 1992-1993, 1993-1994, 1994-1995, 1995-1996, 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026, 2026-2027, 2027-2028, 2028-2029, 2029-2030, 2030-2031, 2031-2032, 2032-2033, 2033-2034, 2034-2035, 2035-2036, 2036-2037, 2037-2038, 2038-2039, 2039-2040, 2040-2041, 2041-2042, 2042-2043, 2043-2044, 2044-2045, 2045-2046, 2046-2047, 2047-2048, 2048-2049, 2049-2050, 2050-2051, 2051-2052, 2052-2053, 2053-2054, 2054-2055, 2055-2056, 2056-2057, 2057-2058, 2058-2059, 2059-2060, 2060-2061, 2061-2062, 2062-2063, 2063-2064, 2064-2065, 2065-2066, 2066-2067, 2067-2068, 2068-2069, 2069-2070, 2070-2071, 2071-2072, 2072-2073, 2073-2074, 2074-2075, 2075-2076, 2076-2077, 2077-2078, 2078-2079, 2079-2080, 2080-2081, 2081-2082, 2082-2083, 2083-2084, 2084-2085, 2085-2086, 2086-2087, 2087-2088, 2088-2089, 2089-2090, 2090-2091, 2091-2092, 2092-2093, 2093-2094, 2094-2095, 2095-2096, 2096-2097, 2097-2098, 2098-2099, 2099-2100, 2100-2101, 2101-2102, 2102-2103, 2103-2104, 2104-2105, 2105-2106, 2106-2107, 2107-2108, 2108-2109, 2109-2110, 2110-2111, 2111-2112, 2112-2113, 2113-2114, 2114-2115, 2115-2116, 2116-2117, 2117-2118, 2118-2119, 2119-2120, 2120-2121, 2121-2122, 2122-2123, 2123-2124, 2124-2125, 2125-2126, 2126-2127, 2127-2128, 2128-2129, 2129-2130, 2130-2131, 2131-2132, 2132-2133, 2133-2134, 2134-2135, 2135-2136, 2136-2137, 2137-2138, 2138-2139, 2139-2140, 2140-2141, 2141-2142, 2142-2143, 2143-2144, 2144-2145, 2145-2146, 2146-2147, 2147-2148, 2148-2149, 2149-2150, 2150-2151, 2151-2152, 2152-2153, 2153-2154, 2154-2155, 2155-2156, 2156-2157, 2157-2158, 2158-2159, 2159-2160, 2160-2161, 2161-2162, 2162-2163, 2163-2164, 2164-2165, 2165-2166, 2166-2167, 2167-2168, 2168-2169, 2169-2170, 2170-2171, 2171-2172, 2172-2173, 2173-2174, 2174-2175, 2175-2176, 2176-2177, 2177-2178, 2178-2179, 2179-2180, 2180-2181, 2181-2182, 2182-2183, 2183-2184, 2184-2185, 2185-2186, 2186-2187, 2187-2188, 2188-2189, 2189-2190, 2190-2191, 2191-2192, 2192-2193, 2193-2194, 2194-2195, 2195-2196, 2196-2197, 2197-2198, 2198-2199, 2199-2200, 2200-2201, 2201-2202, 2202-2203, 2203-2204, 2204-2205, 2205-2206, 2206-2207, 2207-2208, 2208-2209, 2209-2210, 2210-2211, 2211-2212, 2212-2213, 2213-2214, 2214-2215, 2215-2216, 2216-2217, 2217-2218, 2218-2219, 2219-2220, 2220-2221, 2221-2222, 2222-2223, 2223-2224, 2224-2225, 2225-2226, 2226-2227, 2227-2228, 2228-2229, 2229-2230, 2230-2231, 2231-2232, 2232-2233, 2233-2234, 2234-2235, 2235-2236, 2236-2237, 2237-2238, 2238-2239, 2239-2240, 2240-2241, 2241-2242, 2242-2243, 2243-2244, 2244-2245, 2245-2246, 2246-2247, 2247-2248, 2248-2249, 2249-2250, 2250-2251, 2251-2252, 2252-2253, 2253-2254, 2254-2255, 2255-2256, 2256-2257, 2257-2258, 2258-2259, 2259-2260, 2260-2261, 2261-2262, 2262-2263, 2263-2264, 2264-2265, 2265-2266, 2266-2267, 2267-2268, 2268-2269, 2269-2270, 2270-2271, 2271-2272, 2272-2273, 2273-2274, 2274-2275, 2275-2276, 2276-2277, 2277-2278, 2278-2279, 2279-2280, 2280-2281, 2281-2282, 2282-2283, 2283-2284, 2284-2285, 2285-2286, 2286-2287, 2287-2288, 2288-2289, 2289-2290, 2290-2291, 2291-2292, 2292-2293, 2293-2294, 2294-2295, 2295-2296, 2296-2297, 2297-2298, 2298-2299, 2299-2300, 2300-2301, 2301-2302, 2302-2303, 2303-2304, 2304-2305, 2305-2306, 2306-2307, 2307-2308, 2308-2309, 2309-2310, 2310-2311, 2311-2312, 2312-2313, 2313-2314, 2314-2315, 2315-2316, 2316-2317, 2317-2318, 2318-2319, 2319-2320, 2320-2321, 2321-2322, 2322-2323, 2323-2324, 2324-2325, 2325-2326, 2326-2327, 2327-2328, 2328-2329, 2329-2330, 2330-2331, 2331-2332, 2332-2333, 2333-2334, 2334-2335, 2335-2336, 2336-2337, 2337-2338, 2338-2339, 2339-2340, 2340-2341, 2341-2342, 2342-2343, 2343-2344, 2344-2345, 2345-2346, 2346-2347, 2347-2348, 2348-2349, 2349-2350, 2350-2351, 2351-2

SHILLER-VOLKOVA, N.N.; NIKITINA, N.I.; AGAMOVA, K.A.

Morphological criteria in cytological diagnosis of vascular tumors.
Vop. onk. 10 no.6:48-52 '64. (MIRA 17:3)

1. Iz kliniko-dagnosticheskoy laboratorii (zav. - kand.med.nauk
N.N.Shiller-Volkova) Gosudarstvennogo onkologicheskogo instituta
imeni Gertsena (dir. - prof. A.N.Novikov). Adres avtorov: Moskva,
D-284, 2-y Botkinskiy prospekt, 3, Gosudarstvennyy onkologicheskii
institut imeni Gertsena.

POTOTSKIY, Mikhail Vladimirovich; MARGULIS, A.Ya., dots., retsenzent;
SHOLASTER, N.N., dots., retsenzent; MAKAROV, I.P., dots.,
retsenzent; SHABASHOV, T.K., retsenzent (Noginsk); NIKITINA,
N.I., red.

[What is being studied in a mathematical analysis course]
Chto izuchaetsia v kurse matematicheskogo analiza. Moskva,
Prosveshchenie, 1965. 86 p. (MIRA 18:8)

UGLOV, W.G., prof.; ZIBTOVSKIY, V.N.; KARTAVOVA, V.A.; TSARATSE, I.I.;
PIKOTINA, N.I.

late results of palliative surgery in tetralogy of Fallot.
Kardiologiya 5 no.2:35-40 Mr-Apr '65. (MVA 1965)

1. Gosital'naya khirurgicheskaya klinika (zav. - prof. S. I. Ugllov) i Leningradskiy meditsinskii institut imeni P. P. Pavlova.

NIKITINA, N.I.

Cytological diagnosis of Hashimoto's lymphomatous goiter. Izv. vuz.
11 no.6:36-41 '65. (MIA 11:2)

1. Iz kliniko-diaagnosticheskoy laboratorii (zav. - kand.med.nauk
N.N.Shiller-Volkova) Gosudarstvennogo onkologicheskogo instituta
imeni Gertsena (dir. - prof. A.N.Novikov).

ABOV, M.S., VLAHINA, I.I.

Using the method of electrothermal analogies in the design
of a tubular chemical reactor with a fixed catalyst bed. Khim.
prom. 41 no.8:611-614 Ap '65. (MIRA 18:9)

SHILLER-VOLKOVA, Nataliya Nikolayevna; NIKITIN, Nina Ivanovna;
AGAMOVA, Klara Aleksandrovna; ERIN, Margarit L'vovna;
SOLOV'YEVA, I., red.

[Cytologic diagnosis of malignant neoplasms; an atlas]
1 Sitologicheskaya diagnostika zloachestvennykh novo-
obrazovaniy; atlas. Moskva, Meditsina, 1964. 263 p.
1964 10:19

NIKITINA, N.I.

Cytologic diagnosis of neurinomas. Vop. onk. 11 no.1:30-34 '65.
(MIRA 18:6)

1. Iz kliniko-dagnosticheskoy laboratorii (zav. - kand.med.nauk
N.N.Shiller-Volkova) Gosudarstvennogo onkologicheskogo instituta
imeni P.A.Gertsena (dir. - prof. Novikov).

KRASIL'NIKOV, N.A.; KORENYAKO, A.I.; NIKITINA, N.I.; SKRYABIN, G.K.

Intra- and interspecific correlations and principles of species identification in bacterial antagonists. Izv. Akad. nauk SSSR. Ser. biol., Moskva No. 4: 66-80 July-Aug 51. (CLML 21:1)

1. Institute of Microbiology of the Academy of Sciences USSR.

C. R.
1951

Biological Chemistry
// Microbiology

No. 3
How products of bacterial life processes influence the activity of antibiotics. N. A. Krasil'nikov and N. I. Nikitina (K. A. Timiryazev Acad. Agr., Moscow). *Mikrobiologiya* 20, 217-22 (1951).—Mycetin (100 p.p.m.) and aspergillin (10,000 p.p.m.) were studied with *Staphylococcus aureus* in mixed cultures with *Proteus*, *Escherichia coli*, *Bacterium liquefaciens*, *Pseudomonas pyocyanea*, *Pseudomonas fluorescens*, and *Mycobacterium album*. The kill was good with aspergillin; with mycetin it was poor in presence of *P. fluorescens*, fair in presence of *Proteus* and *E. coli*, good in other cultures. Filtrates from cultures of *E. coli*, *Serratia marcescens*, *P. fluorescens*, *Sarcina aurantiaca*, *Bacillus megaterius*, and several other strains of bacteria were added to pure cultures of *S. aureus* in the presence of mycetin, penicillin, and streptomycin. The max. titer of the antibiotic permitting growth was then observed. Some filtrates were inert; some favored, and some inhibited, antibiotic action. Similar variability was observed in tests on accumulation of streptomycin in mixed cultures of *Actinomyces globisporus streptomycinus*, with several strains of bacteria and bacilli. One strain of *Micrococcus* was included. Sensitivity to bacterial inactivation is high for penicillin, medium low for streptomycin and low for mycetin.
Julian F. Smith

- Int. Microbiology, 1951 266

NIKITINA, N.I.

KRASIL'NIKOV, N.A.; KORENYAKO, A.I.; NIKITINA, N.I.; SKRYABIN, G.K.

Nature of inter-species antagonism as a principle in identification
of subdivisions of species in microorganisms. Doklady Akad. nauk
SSSR 77 no.4:725-728 Apr 1951. (CML 20:7)

1. N.A. Krasil'nikov is a Corresponding Member of the Academy of
Sciences USSR.

NIKITINA, N.I., KRASILNIKOVA, N.A., KUCHAYEVA, A.G., SKRYABIN, G.K.

"Microbes-Antagonists in Plant Diseases," a paper presented at the Antibiotics research Conf., Peiping, 1-6 December 1955

In Library
DB-38431

NIKITINA, N. I.

USSR/Biology - Microbiology

Card 1/1 Pub. 22 - 49/59

Authors : Krasil'nikov, N. A., Memb. Corres., Acad. of Sc., USSR; Kuchayeva, A. G.
Mirzabekyan, R. O.; and Nikitina, N. I.

Title : Absorption and distribution of antibiotics in a plant when introduced
outside of the root

Periodical : Dok. AN SSSR 102/2, 375-378, May 11, 1955

Abstract : Experimental data are presented on the intake and distribution of anti-
biotics in tissues of ligneous plants at various climatic conditions of
growth. Three Russ. and USSR references (1903-1953). Tables.

Institution :

Submitted : January 15, 1955

EXCERPTA MEDICA Sec 4 Vol. 10/10 Microbiology Oct 57

2284. NIKITINA N.I. and ARTAMONOVA O.I. *New antibiotics (Russian text) VESTN. AKAD. NAUK SSSR 1956, 26/6 (95-96)

In the Institute of microbiology of the Academy of Sciences of the USSR research for new antibiotics has been carried out for years. The most promising producers of new antibiotics are the actinomyces. Some of the new antibiotics have good possibilities. Globisporin is active in tb. It is equal in its activity to streptomycin and in some cases even superior to it. Grisemin is very active in infantile intestinal diseases. Mycetin is effective in septicaemias and tb of the bones. The drugs No 070 and 2702 are highly efficient in experimental pneumococcal infections. The drugs No 20, 101 and 111 are very efficacious in human and animal mycoses. In the last years 34 species belonging to Actinomyces griseus were isolated with antiviral activities. One of them was active against experimental infections of far eastern and Japanese encephalitis and another against variola. Another group of actinomyces close to Act. violaceus yielded 10 species with antiviral activities, active in experimental encephalitis, influenza and variola. Other antibiotics useful in agriculture, animal breeding and food preservation were discovered and are under investigation.

Najman - Zagreb (XX, 2, 4, 6, 7)

NIKITINA, N. I.

Antibiotic griseins (griseinins) and its producers. N. I. Krasn'nikov, A. N. Helozerskii, Ya. I. Rautenshtein, A. I. Katenyako, N. I. Nikitina, A. I. Sokolova, and B. O. Uryton (A. N. Bakh Institute, Acad. Sci. U.S.S.R., Moscow). *Doklady Akad. Nauk S.S.S.R.* 111, 1117-20 (1958). *Actinomyces griseus* grown in cereals or brown soils often yields an antibiotic substance, also produced in cultures on Czapek medium or potato agar. The yield is best in media rich in proteins with max. yield in deep culture being attained in 4-5 days at 25-30°. The best medium is dry meat powder, 1% glucose, and chalk, as well as dried fish matter with glucose and chalk. The antibiotic is extd. with HCl at pH 3, the ext. treated with C, adsorbed on active C at pH 7.5, eluted with 40-60% EtOH acidified to pH 3, neutralized to pH 5-6, evapd. *in vacuo*, then the product is purified through the picrate or behanbate (cf. Peck, et al., *Can. J. 40*, 4032). The HCl salt has activity of 20,000 units/mg. against *Staphylococcus aureus* and 1000 against *Escherichia coli*. The material of the active principle contains 24 and gives pos. tests in biuret, ninhydrin, aldehyde, and glucosamine reactions. The various specimens obtained contain 14-14.5% total N, with 36-40% of this being van Slyke amino N before hydrolysis. The substance is soluble in water, insoluble in alcohol. It acts on a wide variety of Gram-positive and Gram-negative bacteria.

NIKITINA, N. I., Cand of Bio Sci -- (diss) "Actinomycets of the globi-spore groups." Moscow, 1957, 19 pp (Institute of Microbiology, AS USSR)
(KL, 30-57, 109)

NIKITINA, N. I.

KRASIL'NIKOV, N. A.; BELOZERSKIY, A. N.; RAUTENSHTEYN, Ya. I.; KORENYAKO, A. I.;
NIKITINA, N. I.; SOKOLOVA, A. I.; URYSON, S. O.

The antibiotic grisein (grisein) and its producers [with summary
in English]. Mikrobiologiya 26 no. 4: 418-425 J1-Ag '57. (MIRA 10:12)

1. Institut mikrobiologii AN SSSR i Institut biokhimii im. A. N. Bakha
AN SSSR, Moskva.

(ANTIBIOTICS,

grisein, prod. organisms (Rus))

NIKITINA, N.I.. KORENYAKO, A.I.

Identification of Actinomyces streptomycini [with summary in English].
Izv.AN SSSR.Ser.biol. no.4:422-430 J1-Ag '58 (MIRA 11:8)

1. Institut mikrobiologii Akademii nauk SSSR.
(ACTINOMYCETS)

KORENYAKO, A.I.; NIKITINA, N.I.

Comparative characteristics of actinomycete cultures related to
Actinomyces griseus (Krainisky, 1914) Waksman and Henrici, 1958
[with summary in English]. Mikrobiologiya 28 no.1:14-20 Ja-F
'59. (MIRA 12:3)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCES, culture,
griseus, comparison of various strains (Rus))

KRASIL'NIKOV, N.A.; KORENYAKO, A.I.; NIKITINA, N.I.

Actinomyces globisporus, a subgroup of actinomycetes of the globisporus group. Trudy Inst. microbiol. no.8:56-85 '60. (MIRA 14:1)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCETALES)

NIKITINA, N.I.; KORENYAKO, A.I.; KRASIL'NIKOV, N.A.

Cultures of the species *Actinomyces streptomycini* Krass. Trudy
Inst. microbiol. no.8:85-103 '60. (MIRA 14:1)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCETALES)

NIKITINA, N.I.; KORENYAKO, A.I.; KRASIL'NIKOV, N.A.

Actinomyces vulgaris. Trudy Inst. microbial. no.8:104-115 '60.
(MIRA 14:1)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCETALES)

KORENYAKO, A.I.; KRASIL'NIKOV, N.A.; NIKITINA, N.I.

Actinomyces levoris. Trudy Inst. microbiol. no.8:116-132 '60.
(MIRA 14:1)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCETALES)

KORENYAKO, A.I.; KRASIL'NIKOV, N.A.; NIKITINA, N.I.; SOKOLOVA, A.I.

Actinomycetes of the fluorescent group. Trudy Inst. microbiol.
no.8:133-159 '60. (MIRA 14:1)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCETALES)

KRASIL'NIKOV, N.A.; NIKITINA, N.I.; KONDRAT'YEVA, I.K.

Actinomyces pneumonicus n. sp., a new species of the globisporus
group. Trudy Inst. microbiol. no.8:160-169 '60. (MIRA 14:1)
(ACTINOMYCETALES)

KORENYAKO, A.I.; KIRILLOVA, N.F.; NIKITINA, N.I.

Paper chromatography in the classification of actinomycetes.
Mikrobiologiya 29 no.6:911-918 N-D '60. (MIRA 14:1)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCES) (PAPER CHROMATOGRAPHY)

KRASIL'NIKOV, N.A.; KORENYAKO, A.I.; NIKITINA, N.I.

External characteristics in the systematization of actinomyces
(Results of the study of the collection of strains of the
International Taxonomic Committee. Antibiotiki 7 no.3:3-11
Mr '62. (MIRA 15:3)

(ACTINOMYCES)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001137020013-3

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001137020013-3"

NIKITINA, N. M.

NIKITINA, N. M. -- "Some Observations of the Effect of Penicillin Administered in an Oily Solution of Camphor." Ryazan' Medical Inst. Ryazan', 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

NIKITINA, N.M. (Ryazan', ul. Mayakovskogo, d.19, kv.15); REBROVA, R.H.

Treatment of suppurating wounds and cavities with antibiotics
with consideration of the sensitivity of microflora to them.
Nov.khir.arkh. no.4:27-29 J1-Ag '59. (MIRA 12:11)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof.I.Ye.Matsuyev)
i kafedra mikrobiologii (zav. - prof.A.P.Afanas'yeva) Ryazanskogo
meditsinskogo instituta.
(ANTIBIOTICS) (SUPPURATION)

NIKITINA, N.M.; REEROVA, R.E.

Candidomycoses in surgical patients. Vest.khir. 85 no.10:
109-112 0 '60. (MIRA 13:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. I.Ye.
Matsuyev) i kafedry mikrobiologii (zav. - prof. A.P. Afanas'yeva)
Ryazanskogo meditsinskogo instituta.
(MONILIASIS) (ANTIBIOTICS)

GLADCHENKO, A.T., kand.med.nauk; NIKITINA, N.M.

Case of coccidioidomycosis. Khirurgiia 37 no.3:117-119 Mr '61.
(MIRA 14:3)

1. Iz kliniki obshchey khirurgii (i.o. zav. - kand.med.nauk
A.T. Gladchenko) Blagoveshchenskogo meditsinskogo instituta.
(COCCIDIOIDOSIS)

STRUKOV, I.T.; VIKHROVA, N.M.; NIKITINA, N.M.; TERYAKINA, A.Ye.; BUYANOVSKAYA, I.S.; SHNEYERSON, A.N.; CHAYKOVSKAYA, S.M.

Phenoxybenzylpenicillin (phenbenicillin) and its microbiological study. Antibiotiki 9 no.1:3-7 Ja '64.

(MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

NIKITINA, N.M. (Ryazan', ul. Mayakovskogo, 75, kv. 5)

Median and lateral cysts and fistulas of the neck. Vest. khir. 92
no.1:75-77 Ja '64. (MIRA 17:11)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. I.^{va}.
Matsuyev) Ryazanskogo meditsinskogo instituta imeni Pavlova.

KOROBKOVA, G., NIKITINA, N.¹¹, ZUBAREVA, E., TROITSKAYA, V.
^

"Giant pulsations in the Soviet Arctic. (For the period 1935-1956)."

report presented at the Intl. Association of Geomagnetism and Aeronomy, Symposium on Rapid Geomagnetic Variations, Utrecht, Netherlands, 1-4 Sep 59.

L 29105-65 EWT(m)/EPF(c)/EWP(j) Po-4/Pr-4 EM

ACCESSION NR: AP5003962

S/0079/65/035/001/0103/0106

AUTHORS: Andrianov, K. A.; Sidorov, V. I.; Khananashvili, L. M.; Nikitina, N. N.

TITLE: Synthesis of organic cyclosiloxanes containing unsaturated groups at the silicon atom

SOURCE: Zhurnal obshchey khimii, v. 35, no. 1, 1965, 103-106

TOPIC TAGS: silicon, siloxane, cyclotetrasiloxane, hydrogen, vinyl, mechanical property

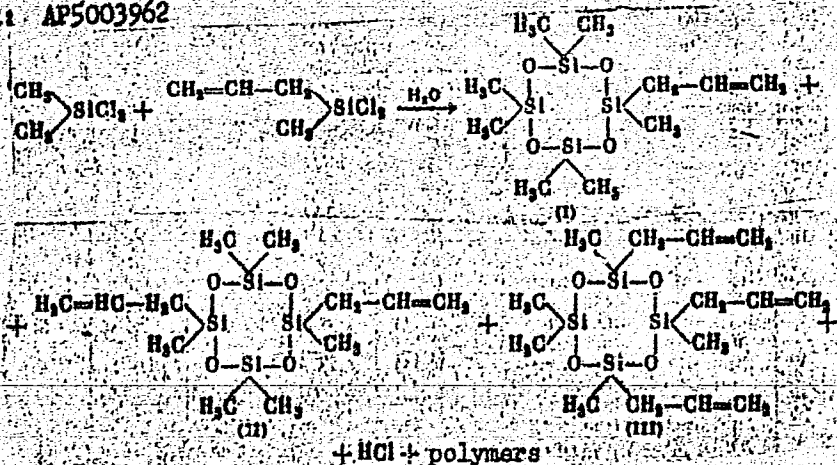
ABSTRACT: Compounds containing various numbers of allyl groups at the silicon atom in eight-member and six-member siloxane rings and cyclotetrasiloxane containing hydrogen and vinyl groups at various silicon atoms were synthesized. Simultaneous co-hydrolysis of methallyl dichlorsiloxane and dimethyl dichlorsilane in etheric solution yields six-member and eight-member cyclosiloxanes as shown by

23
22
B

Card 1/3

L 29105-65

ACCESSION NR: AP5003962



The IR spectra and the mechanical properties of the synthesized products are shown in Table 1 on the Enclosure. Orig. art. has: 1 table and 1 formula.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im M. V. Lomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 28Oct63

NO REF SOV: 002

Card 2/3

ENCL: 01
OTHER: 014

SUB CODE: 00

L 29105-65

ACCESSION NR: AP5003962

ENCLOSURE: 01

Table 1

Nr of compound	Name of synthesized compound	Boil.pt (p mm)	n_D^{20}	d_4^{20}	M_R^D	
					found	calc.
I	Heptamethyl allyl cyclotetrasiloxane	41° (3)	1.4119	0.9616	83.31	83.61
II	Hexamethyl diallyl cyclotetrasiloxane	57-58 (3)	1.4243	0.9684	91.78	92.10
III	Pentamethyl triallyl cyclotetrasiloxane	82 (3)	1.4347	0.9718	100.38	100.85
IV	Methyltetraethyl allyl cyclotrisiloxane	70-72 (1)	1.4340	0.9615	82.19	82.93
V	Dimethyldiethyl diallyl cyclotrisiloxane	67-69 (1)	1.4375	0.9629	82.12	82.88
VI	Tetramethyl trivinyl cyclotetrasiloxane	49 (5)	1.4247	0.9919	81.94	82.67

Card 3/3

29732
S/169/61/000/008/053/053
A006/A101

39410 (1482)

AUTHOR: Nikitina, N.M.

TITLE: Preliminary results of observing telluric currents at the Barentsburg station (Spitzbergen)

PERIODICAL: Referativnyy zhurnal. Geofizika, no. 8, 1961, 43, abstract 80283
(V sb. "Korotkoperiod. kolebaniya elektromagnitn. polya Zemli, no. 3", Moscow, AN SSSR, 1961, 69 - 75, English summary)

TEXT: The observation of telluric currents in Barentsburg was made from October 2nd, 1957, to June 30th, 1959, with 90 mm/hour and 30 mm/hour time base. Telluric currents in Barentsburg are distinguished by considerable activity. During quiet and weakly-disturbed intervals the oscillation amplitudes attain 100 mv/km. During stormy periods the amplitudes are within (300 : 700) mv/km, and attain sometimes 1.5 - 1.8 v/km. Most typical are oscillations of irregular shape with $T \sim (3 : 15)$ min. with superposed oscillations of shorter periods. Stable oscillations have $T \sim (20 : 40)$ sec and amplitudes of (20 : 70) mv/km. They occur most frequently during the summer and have a diurnal run with a maximum at 7 - 12 hours universal time. Bay-type oscillations occur mainly

Card 1/2

29732

S/169/61/000/008/053/053

A006/A101

Preliminary results of observing telluric currents ...

within (23 ± 09) hours; their high-speed recording is accompanied by oscillations of irregular shape with periods of (5 ± 15) sec. "Pearls" ("Zhemchuzhiny") are regular sinusoidal oscillations with $T \sim (1 \pm 5)$ sec. Pulsations with $T = (3 \pm 5)$ sec occur mainly from 3 to 13 hours, and those with $T = (1 \pm 2)$ sec from 7 to 11 and from 17 to 01 hours.

K Zybin

[Abstracter's note: Complete translation]

Card 2/2

3.9110 (1121,1482)

29727
S/169/61/COO/OC8/048/053
A006/A101

AUTHORS: Zubareva, E.P., Korobkova, G.I., Nikitina, N.M., Troitskaya, V.A.

TITLE: Giant pulsations in Soviet Arctic during 1935 - 1956

PERIODICAL: Referativnyy zhurnal. Geofizika, no. 8, 1961, 39, abstract 80262
(V sb. "Korotkoperiod. kolebaniya elektromagnitn. polya Zemli, no. 3", Moscow, AN SSSR, 1961, 76 - 82, English summary)

TEXT: The study of giant pulsations was carried out on the basis of standard recordings of the magnetic field with 20 mm/h scanning from data of the following 6 observatories: Dixon, Wellen, Matochkin Shar, Tiksi, Chelyuskin and Tikhaya Bay. The greatest number of giant pulsations was recorded at the Wellen and Dixon stations. Usually, giant pulsations were observed with T of about 60 and 90 seconds. For a number of stations T was also about 45, 75 and 135 sec. It is possible that for giant pulsations there are one or two basic periods, whose different harmonics appear differently depending on the local conditions of the given station. The amplitudes of giant pulsations vary within the limits from a few γ to several tens of γ . At Dixon and Wellen giant pulsations arise mainly during the first half of the day. On Dixon the number of giant pulsations

Card 1/2

29727

S/169/61/000/008/048/053
A006/A101

Giant pulsations in Soviet Arctic during 1935-1956

increases towards the equinox, for the Wellen station seasonal changes are less marked. Simultaneous giant pulsations on a number of stations are rather seldom, but some giant pulsations were recorded at the same time at Dixon and Wellen. Sometimes giant pulsations are excited during the day at different but close hours; in the majority of such cases they arise first at the stations located more to the east. It is concluded that giant pulsations are disturbances of the terrestrial electromagnetic field and are typical of polar aurora zones. They damp rapidly to the north and south of the aurora. ✓

K. Zybin

[Abstracter's note: Complete translation]

Card 2/2

BAKLANOVA, V.F.; NIKITINA, N.N.

Multiple myeloma in a child. Vest. rent. i rad. 37 no.1:65-66
Ja-F '62. (MIRA 15:3)

1. Iz rentgenovskogo otdeleniya (zav. - kand.med.nauk V.F.
Baklanova) Moskovskoy klinicheskoy detskoy bol'nitsy imeni
F.E. Dzerzhinskogo (glavnyy vrach A.N. Kudryasheva).
(MARROW—TUMORS)

KOLPAKOVA, T.A.; GOLYENBIYEVSKAYA, Z.I.; SHEVTSOVA, N.I.; RYBINA, M.I.;
NIKITINA, N.N.; RYBAKOVA, L.F.; SHIPSHINA, N.D.; KORN, A.N.; KO-
ROVKIN, B.F.; KOSYAKOV, K.S.; STEPNEYA, A.A.

Suggestions made at the September 29, 1963, conference of "La-
boratornoe delo" readers, members of the Leningrad Society of Phy-
sicians and Laboratorians. Lab. ~~delo~~ 10 no.4:256 '64. (MIRA 17:5)

1. Predsedatel' pravleniya Leningradskogo obshchestva vrachey-la-
borantov (for Kolpakova). 2. Chleny pravleniya Leningradskogo ob-
shchestva vrachey-laborantov (for all except Kolpakova).

ZELENetskaya, A.A.; NIKITINA, N.N.

Determination of chlorides by potentiometric titration. Trudy
VNIISNDV no.6:93-95 '63. (MIRA 17:4)

ANDRIANOV, K.A.; SLOBOV, V.I.; KHANAYOV, I.I.; NIKITINA, N.N.

Synthesis of organocyclosiloxanes containing substituents
at the silicon atom. Zhur. b. Khim. 3, 103-104, 1965.

1. Moskovskiy Institut khimicheskoy fiziki, ul. Semenovskaya
M.V. Lomonosova.

PETROV, Vladimir Arsent'yevich; KOLMAKOV, Nikolay Alekseyevich; EPEL'MAN, Gilel' Grigor'yevich. Prinimali uchastiye: NIKITIN, V.V., MOROZOV, I.I.; SIVOKHA, N.V.; UTROBINA, N.I.; NIKITINA, N.N.; PANKOV, N.H.; BAUSHEV, N.P.; TATEVOSOV, K.G., dots.; LIPKIND, L.M.; LEBEDEVA, A.K., inzh.-ekon.; VIL'DAVSKIY, I.M., dots., retsenzent; VOLKOV, S.A., kand. ekon. nauk, dots., rod.; CHFAS, M.A. red. izd-va; PETERSON, M.M., tekhn. red.

[Continuous conveyer methods used in the lot production of composite machines] Potochno-konveiernye metody v seriino m proizvodstve slozhnykh mashin; iz opyta Leningradskogo zavoda poligraficheskikh mashin. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 130 p. (MIRA 14:9)

1. Rabotniki Leningradskogo zavoda poligraficheskikh mashin (for Nikitin, Morozov, Sivokha, Utrobina, Nikitina, Pankov, Baushev). 2. Leningradskiy inzhenerno-ekonomicheskii institut (for Tatevosov, Lipkind, Lebedeva).

(Leningrad--Printing machinery and supplies)
(Factory management)

ZELENETSKAYA, A.A.; NIKITINA, N.N.

Separation of α -chlorocarboxylic acids by paper chromatography and their quantitative analysis. Zhur.anal.khim. 17 no.8:1009-1014
N '62. (MIRA 15:12)

1. All-Union Scientific-Research Institute of Synthetic and Natural
Perfumes, Moscow.

(Acids, Organic)

(Paper chromatography)

PANOV, N.A., prof.; KRASIKOVA, V.A., kand. med. nauk; NIKITINA, N.N.,
nauchnyy sotrudnik

A unique form of underdeveloped lungs in premature children.

Vest. rent. i rad. 40 no.6:8-10 N-D '65.

(MIPA 19:1)

1. Nauchno-issledovatel'skiy pediatricheskiy institut Ministerstva
zdravookhraneniya RSFSR, Moskva.

A L 10195-66 EWT(m)/EWP(j)/T RM

ACC NR: AF5028543 SOURCE CODE: UR/0286/65/000/020/0159/0159

AUTHORS: Aerov, M. E.; Traynina, S. S.; Smetanyuk, V. I.; Topchiyev, A. V.; Nikitina, N. N.; Perel'man, A. I.

ORG: none

TITLE: Method for polymerization of olefins. Class 12, No. 147175

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 159

TOPIC TAGS: polymer, polymerization, olefin, catalytic polymerization, catalyst, catalyst regeneration

ABSTRACT: This Author Certificate presents a method for polymerization of olefins on a solid catalyst dissolved in a solvent. The catalyst is separated from the polymer by dissolving the polymer in a suitable solvent. To carry out the process in one apparatus and to increase the quality of polymer, the process is carried out in a pulsating ascending solvent flow. The temperature of the lower flow section is kept at 80—120C and that of the upper separating section at 140—180C. To increase the degree of separation of catalyst from polymer, the flow velocity in the lower section is larger than in the upper separating section.

SUB CODE: 07/ SUBM DATE: 30Mar61

Card 1/1

51 B

S/081/62/000/005/108/112
B168/B101

15.9201
AUTHORS: Chekanova, A. A., Epshteyn, V. G., Tsaylingol'd, V. L.,
Nikitina, N. P.
TITLE: The use of resins - copolymers of methyl vinyl pyridine - as
active fillers for rubber compounds
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 647, abstract
5P314 (Uch. zap. Yaroslavsk. tekhnol. in-ta, v. 6, 1961,
101-108)
TEXT: Emulsions of butadiene vinyl pyridine resins containing 60, 70, and
85 % methyl vinyl pyridine (I) were introduced into butadiene/styrene
latex KKC-3OAPK (SKS-3OARK). The compound was coagulated and the coagulum
was vulcanized in the presence of sulfur and of accelerators containing no
carbon black. In the case of the resin containing 85 % I, sulfur additions
of up to 15 parts by weight are required. "Vultexes" - latexes after
vulcanization of resins in globules with the aid of sulfur and
accelerators - were also obtained. The use of resins in the form of
latex or "vultex" increases the moduli and also the tear and breaking
Card 1/2

ABRAMOVA, Ye.A.; BUFETCHIKOVA, O.Ya.; NIKITINA, N.P.

Values of density, swelling, and hygroscopicity in dependence on the conditions of fiber formation. Zhur. prikl. khim. 34 no. 12:2746-2754 D '61. (MIRA 15:1)

1. Institut vysokomolekulyarnykh soedineniy AN SSSR.
(Viscose)

TAUBKIN, Solomon Isaakovich; BARATOV, Anatoliy Nikolayevich;
~~NIKITINA, Nina Sergeyevna~~; SOLOV'YEV, N.V., red.;
CHEKRYZHOV, V.A., red. izd-va; PYRKINA, N.F., tekhn. red.

[Handbook on the fire hazards of solid substances and materials] Spravochnik pozharopasnosti tverdykh veshchestv i materialov. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1961.
146 p. (MIRA 15:8)
(Fire prevention) (Inflammable materials)

NIKITINA, N. S.

USSR/Biology - Microbiology

Card 1/1 Pub. 22 - 38/47

Authors : Nikitina, N. S., and Ulanovskiy, I. B.

Title : Germination of bacteria on a steel surface in sea water

Periodical : Dok. AN SSSR 98/5, 841-844, Oct 11, 1954

Abstract : The development of bacteria, of various physiological groups, on steel surfaces submerged in sea water was investigated to determine the effect of bacteria on corrosion of metals. The effect of the bacteria on corrosion was determined by the number and the physiological characteristics of the microorganisms. Detailed results of the investigation are tabulated. Nine references: 6-USSR and 3-USA (1939-1952). Tables.

Institution : Acad. of Sc. USSR, Institute of Physical Chemistry and Biological Station, Murmansk

Presented by : Academician V. N. Shaposhnikov, July 7, 1954

NIKITINA, N.S.

Seasonal variations in the bacterial composition in soils of the eastern Murman littoral. *Tr. 191 Nikitina (Kola Branch Acad. Sci. U.S.S.R., Biol. Sci., Murmansk). Mikrobiologiya* 24, 580-8 (1965). Factors: fluctuations, qual. and quant. changes in available nutrients, and changes in biol. requirements during the life cycle were the foremost factors in observed seasonal changes in cell counts of nitrifying, denitrifying, sulfate-reducing, and putrefactive organisms along the Barents Sea coast. Peak activity of sulfate reducers occurred in May; of other organisms in July. Nitrifiers and denitrifiers were most sensitive to cold; activity almost ceased in winter, while putrifiers and sulfate reducers showed a minor activity peak in November or December. During this winter upsurge the putrifiers lack the capacity to reduce nitrates to nitrites as in the summer upsurge. At depths of 5-7 cm., bacterial activity is notably less than at the surface but still adequate to account for significant salt changes. Julian F. Smith

NIKITINA, N. S.
USSR/Biology - Microbiology
Card 1/1 Pub. 22 - 48/54
Authors : Nikitina, N. S.
Title : Effect of littoral animal and plant population on the bacterial composition of soil.
Periodical : Dok. AN SSSR 102/5, 1031-1034, Jun 11, 1955
Abstract : Microbiological data are presented regarding the effect of littoral animal and plant life on the bacterial composition of soil. Five references: 3 USA and 2 USSR (1939-1952). Table; graphs.
Institution : Acad. of Sc., USSR, Kol'sk Branch, Murmansk Biological Station
Presented by: Academician V. N. Shaposhnikov, February 23, 1955

MATVEYEVA, T.A., NIKITINA, N.S., CHERNOVSKAYA, Ye.M.

Causes and effects of the irregular distribution of *Fabricia*
sabella Ehr. and *Arenicola marina* L. worms in littoral zones.
Dokl. AN SSSR 105 no.2:370-373 '55. (MLRA 9:3)

1. Predstavleno akademikom Ye.M. Pavlovskim.
(Murmansk--Annelida)

NIKITINA, N. S.

Effect of putrefactive aerobic bacteria on corrosion of steel in sea-water. I. B. Ulanovskii and N. S. Nikitina (*Mikrobiologiya*, 1956, 25, 66-71).—Inoculation with putrefactive aerobes isolated from corroded surfaces of steel structures immersed in Barents Sea water increases the rate of corrosion of steel in sterile sea-water by 20-25%. The effect is ascribed to development of p.d. between clean parts of the surface and those covered by growing colonies, with low local $[O_2]$ and pH; p.d. < 4 mv. are observed between steel electrodes immersed in sterile and inoculated sea-water, and are augmented by addition of nutrients to the medium.

R. Tausch.

L 30098-65 EWP(o)/EPA(s)-2/EWT(m)/EPF(c)/ENG(v)/EPR/EPA(w)-2/ENP(j)/T/ENF(b)
PC-4/Pe-5/Pq-4/Pr-4/Pa-4/PT-10/Pab-10 WH/GS/RM/WH

ACCESSION NR: AT5004753

S/0000/64/000/000/0003/0016

AUTHOR: Nikitina, N. S. (Engineer)

80
69
84

TITLE: Fire hazard of new acoustical, finishing and heat-insulating materials

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut protivopozharnoy oborony. Pozharnaya profilaktika i tusheniye pozharov (Fire prevention and extinction); informatsionnyy sbornik, no. 2. Moscow, Stroyizdat, 1964, 3-16

TOPIC TAGS: fire prevention, fire resistant material, fire retardant, polymer, asbestos, insulating material, glass fiber

ABSTRACT: Sound-absorbing, finishing, and insulating materials were tested and separated according to SNiP standards into four classes: noncombustible, difficultly combustible, difficultly ignitable, combustible. Detailed classification with enumeration of the component materials is tabulated. Only two of the acoustic materials were permitted by the building code: the mineral wool plates TU 81-62 with

Card 1/2

L 30098-65

ACCESSION NR: AT5004753

starch cement and GOST 9573-60 with phenol cement. The combustible class included foam plastics TU 35 XII No. 395-62 and VTU 35 XII No. 392-81, mineral-wool plate GOST 9248-59 with bitumen cement, and caprone wool VTU MO 62-58. Fabric brand K proved a good heat insulation for caprone wool, foam-polyurethane and foam-poly-styrene. Tests of the finishing materials in the form of plates or different coatings spread on ceramic surfaces showed the coatings on the base of SP-EP-2 epoxide resin and polyethylene films 100 μ thick to be safest. At 200C polyethylene film started melting and its adhesion increased. Polyvinylchloride films lost their adhesive properties and suffered partial ignition after 10 minutes of heating with a blow-torch. Fibrolite and 21874 acetochlorine fabric belonged to the difficultly combustible class; the difficultly ignitable and noncombustible insulation materials were: 1) thermoxylazol No. 2 and rubberized fabrics Nos. 1 and 2; 2) synthetic asbestos. Orig. art. has: 3 tables.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut protivopozharnoy oborony. Pozharnaya profilaktika i tusheniye pozharov (Central Scientific Research Institute of Fire Prevention. Fire Prevention and Extinction)

137-58-5-10193

NIKITINA, N.S.

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 187 (USSR)

AUTHORS: Nikitina, N.S., Ulanovskiy, I.B.

TITLE: Some Data on Microbiological Factors in the Corrosion of Steel in Sea Water (Nekotoryye dannyye po mikrobiologicheskim faktoram korrozii stali v morskoy vode)

PERIODICAL: Tr. Murmanskoy biol. st., 1957, Vol 3, pp 190-200

ABSTRACT: The effect of bacteria on the corrosion of steel in sea water was studied for the period of low rates of overgrowth by vegetable and animal organisms and under laboratory conditions. St 3 steel was tested in sea water for periods of 5, 10, 15, 20, and 150 days. After the test period, the corrosion products were removed from a 40-cm² area, and the total bacteria count and the number of bacteria in various physiological groups was determined. The experiments showed that development of bacteria on the surface of steel starts on the very first days of immersion in water and that it continues to intensify thereafter. After 20 days, more than a million bacteria were found per cm² of surface area, and over 310 million after 5 months. Intensive O₂ absorption began as a result of the electrochemical processes

Card 1/2

137-58-5-10193

Some Data on Microbiological Factors (cont.)

of corrosion. Sulfate-reducing bacteria predominantly form on the surface of steel, and after 150 days they constitute about 80% of the total number of bacteria. There is a comparatively weak growth of putrefactive bacteria. The effect of microorganisms upon corrosion was also studied under laboratory conditions. It was found that the presence of the bacteria of putrefaction increases corrosion by 20-30%. An accumulation of putrefactive O_2 -absorbing bacteria on metal may cause aeration cells to appear. Measurements show that in a layer of sea water immediately adjacent to the specimen pH drops by 0.14-0.19 during an 8-hour test.

K. Zh.

1. Steel--Corrosion 2. Sea water--Corrosive effects 3. Bacteria--Corrosive effects 4. Corrosion--Test methods

Card 2/2

NIKITINA, N.S.

Decomposition of organic residues in the littoral zone of the Barents Sea. Trudy Murm. biol. sta. 4:18-40 '58. (MIRA 11:5)

1. Murmanskaya biologicheskaya stantsiya Kol'skogo filiala AN SSSR.
(Barents Sea—Seashore biology)

USSR/Microbiology - General Microbiology. Water and Air
Microorganisms.

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99323

Author : Nikitina, N.S.

Inst : Murmansk Biological Station

Title : Bacterial Overgrowth of Steel Surfaces in the Sea

Orig Pub : Tr. Murmanskoy biol. st., 1958, 4, 184-196

Abstract : The study of bacterial participation in the overgrowth of metallic surfaces was conducted in two ways: by examining various iron and steel objects which were in sea water for a long time, and by examining experimental steel test pieces, marked "St.3", which were immersed in the sea. It was made clear that in the latter case a considerable number of bacteria develops, in some cases reaching several billion per 1 cm² of metal surface.

Card 1/2

- 31 -

KOLYADKO, T.M.; NIKITINA, N.S.

Literature on corn protection (to be continued). Zashch. rast.
ot vred. i bol. 6 no.3:62 Mr '61. (MIRA 15:6)
(Bibliography--Corn (Maize)--Diseases and pests)

KOLYADKO, T.M.; NIKITINA, N.S.

Literature on corn protection; corn diseases and their control
(to be continued). Zashch. rast. ot vred. i bol. 6 no.5:61-62
My '61. (MIRA 15:6)
(Bibliography--Corn (Maize)--Diseases and pests)

KOLYADKO, T.M.; NIKITINA, N.S.

Literature on the protection of corn. Zashch. rast. ot vred. i bol.
6 no.7:61-63 J1 '61. (MIRA 16:5)
(Bibliography--Corn (Maize))--Diseases and pests)

KOLYADKO, T.M.; NIKITINA, N.S.

Literature on corn protection (continuation). Zashch.
rast. ot vred. i bol. 6 no.8:62-63 Ag '61. (MIRA 15:12)
(Bibliography--Corn (Maize)--Diseases and pests)

KOLYADKO, T.M.; NIKITINA, N.S.

Literature on corn protection. Zashch. rast. ot vred, i bol. 6
no.9r61-63 S '61. (MIRA 16:5)
(Bibliography--Corn (Maize)--Diseases and pests)

KOLYADKO, T.M.; NIKITINA, N.S.

Literature on the protection of corn. Zashch. rast. ot vred.
i bol. 7 no.1:60-61 '62. (MIRA 15:6)
(Bibliography—~~Corn~~ (Maize))

KOLYADKO, T.M.; NIKITINA, N.S.

Bibliography on the protection of corn (continuation).
Zashch. rast. ot vred. i bol. 7 no.2:62 F '62. (MIRA 15:12)
(Bibliography--Corn (Maize)--Diseases and pests)